

Comparisons of Job Characteristics

Focus Occupation: [Pesticide Handlers, Sprayers, and Applicators, Vegetation \(37-3012\)](#)

Associated Occupation: [Agricultural Equipment Operators \(45-2091\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 11

Focus Occupation: Pesticide Handlers, Sprayers, and Applicators, Vegetation (37-3012)

Associated Occupation: Agricultural Equipment Operators (45-2091)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Food Production	2.1	19.4	2.4	<< Extensive education and/or training may be required
Chemistry	4.8	13.0	8.3	<< Extensive education and/or training may be required
Building and Construction	4.0	9.1	3.1	<< Extensive education and/or training may be required
Mechanical	6.8	7.9	11.1	>> Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 67

Focus Occupation: Pesticide Handlers, Sprayers, and Applicators, Vegetation (37-3012)

Associated Occupation: Agricultural Equipment Operators (45-2091)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Operation and Control	5.4	12.6	8.2	<< Extensive development of skills in this area may be required
Operation Monitoring	6.6	12.0	8.2	<< Extensive development of skills in this area may be required
Repairing	3.4	8.7	5.1	<< Extensive development of skills in this area may be required
Troubleshooting	4.5	8.7	4.5	<< Extensive development of skills in this area may be required
Quality Control Analysis	5.9	8.5	5.8	<< Extensive development of skills in this area may be required

Equipment Maintenance	3.5	8.3	6.2	<<	Extensive development of skills in this area may be required
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The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities	Similarity of Focus Occupation to Associated Occupation: 77
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Focus Occupation: Pesticide Handlers, Sprayers, and Applicators, Vegetation (37-3012)
Associated Occupation: Agricultural Equipment Operators (45-2091)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Control Precision	6.6	12.6	10.1	<	Some improvement in abilities may be required
Multilimb Coordination	6.0	12.3	9.1	<<	Extensive improvement in abilities may be required
Depth Perception	5.3	10.6	8.5	<	Some improvement in abilities may be required
Hearing Sensitivity	5.6	10.5	4.6	<<	Extensive improvement in abilities may be required
Reaction Time	4.8	10.2	5.2	<<	Extensive improvement in abilities may be required
Rate Control	3.8	9.0	7.2	<	Some improvement in abilities may be required
Response Orientation	4.0	8.6	4.1	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common	Similarity of Focus Occupation to Associated Occupation: 94
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Focus Occupation: Pesticide Handlers, Sprayers, and Applicators, Vegetation (37-3012)
Associated Occupation: Agricultural Equipment Operators (45-2091)

Work Activities	Exclusivity of Activity
Mix paint, ingredients, or chemicals, according to specifications	35
Move or fit heavy objects	8
Operate agricultural equipment or machinery	81
Use hand or power tools	2
Use herbicides, fertilizers, pesticides or related products	71
Use portable hand spray equipment	82

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

Focus Occupation: Pesticide Handlers, Sprayers, and Applicators, Vegetation (37-3012)

Associated Occupation: Agricultural Equipment Operators (45-2091)

Tools and Technologies	Exclusivity
Tools and technology data is unavailable for one or both occupations.	

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.